

ABSTRACT OF THE DISCLOSUREMATERIAL FOR NEUTRON SHIELDING AND FOR MAINTAINING SUB-CRITICALITY, PROCESS FOR ITS PREPARATION AND ITS APPLICATIONS

The invention relates to a material for neutron shielding and for maintaining sub-criticality, and a process for preparation of this material and applications of the said material.

5       The material comprises a matrix based on a vinylester resin, at least one polyamide and an inorganic filler capable of slowing and absorbing neutrons.

10      Applications : manufacturing of neutron shields in packagings for transport, interim storage and/or ultimate storage of radioactive materials, particularly packagings for new nuclear fuels.